

SURFACE ACOUSTIC WAVE UNIT

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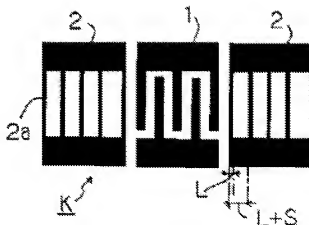
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Abstract of JP2000312126

PROBLEM TO BE SOLVED: To provide a surface acoustic wave unit that reduces the ripple components of a signal within its pass band and increases the pass bandwidth.

SOLUTION: This surface acoustic wave unit is formed by placing an interdigital transducer (IDT) electrode and a reflector electrode 2, having a plurality of electrode fingers 2a that reflecting a surface acoustic wave stimulated by the IDT electrode 1 onto the IDT electrode 1 on a piezoelectric substrate, and an electrode finger width L of the reflector electrode 2 and a pitch S between the electrode fingers satisfies the expression $0.35 \leq L/(L+S) \leq 0.45$.



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